

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	"20040157645"	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L4	1157	455/562.1	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L5	14	(antenna near3 array) and (feed\$3 near1 port) and (antenna\$1 same ((phase or signal) adj shifter\$1)) and (beamformer)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L6	1	(antenna near3 array) and (feeding adj port) and ((phase or signal) adj shifter\$1) and (beamformer)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L7	1	(antenna near3 array) and (feeding near1 port) and ((phase or signal) adj shifter\$1) and (beamformer)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L8	11	(antenna near3 array) and (feeding near1 port) and ((phase or signal) adj shifter\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L9	23	(antenna\$1 near5 array) and (feed\$3 near2 port) and ((signal\$1 or phase) adj shifter\$1) and beamformer	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L10	141	(antenna\$1 near5 array) and (feed\$3 near2 port) and ((signal\$1 or phase) adj shifter\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L11	22	(antenna\$1 near5 array) and (feed\$3 near2 port) and ((signal\$1 or phase) adj shifter\$1) and (beam adj width\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L12	1606	(antenna\$1 near5 array) and (beam adj width\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L13	41	(antenna\$1 near5 array) and (beam adj width\$1) and (feed\$3 near1 port)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L14	491	(antenna\$1 near5 array) and (beam adj width\$1) same antennas	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L15	372170	L14 and antenna gain	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L16	104	L14 and (antenna adj gain)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L17	491	(antenna\$1 near5 array) and (beam adj width\$1) same antennas	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L18	2	"6759983"	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29

## EAST Search History

L19	8	"6426814"	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L20	19	"6525691"	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L21	173	(antenna near50 array) same (feed\$3 near2 port\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L22	73	(antenna near50 array) same (feed\$3 near2 port\$1) and ((signal or phase) near1 shifter\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L23	6	L22 and beamformers	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L24	7	L21 and beam adj former	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L25	7	L21 and (beam adj former)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L26	489	(antenna near50 array) and (feed\$3 near2 port\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L27	4	L26 and (beamformer\$1 or (beam adj former\$1)) same (switch\$3) same (feed\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L28	25	(antenna same array) and (beamform\$3 near50 switch\$2) same (shifter\$1 ((signal or phase) adj shifters))	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L29	11	(antenna same array) and (beamform\$3 near50 switch\$2) same (shifter\$1 ((signal or phase) adj shifters)) and (switch same feed\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L30	28	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L31	9	(antenna same array) and (antenna same gain\$1) same ((signal and phase) near1 weight\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L32	10	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (table)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L33	8	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (table same sto\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L34	3	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (table same weight\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29

## EAST Search History

L35	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (table same phase)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L36	6	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (stor\$3 same weight\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L37	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (stor\$3 same weight\$3) and ((real adj number) same (phase))	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L38	17	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase))	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L39	10	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase))and (weight\$3 same interference\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L40	10	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (weight\$3 same interference\$1)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L41	4	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L42	4	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (gain same steer\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L43	4	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (gain same steer\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L44	13	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (gain same direction)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29

## EAST Search History

L45	4	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null) and (gain same direction)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L46	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null) and (gain same direction) and (shifter near50 (phase and amplitude))	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L47	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null) and (gain same direction) and (shifter near50 amplitude)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L48	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null) and (gain same direction) and (shifter near5 amplitude)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L49	1	(antenna same array) and (antenna same gain\$1) same (signal near1 weight\$1) and (weight\$3 same (amplitude and phase)) and (interference\$1 same null) and (gain near50 direction) and (shifter near50 amplitude)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L50	20	("3979754"   "4424500"   "4503436"   "4618831"   "4868886"   "4879711"   "4882588"   "4901085"   "5038147"   "5038150"   "5093668"   "5115248"   "5162804"   "5422647"   "5623269"   "5648784").PN. OR ("6340948").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/13 06:29
L51	231	(antenna\$1 near5 array) and (beamform\$3) and (interference same angle)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L52	22	(antenna\$1 near5 array) and (beamform\$3) and (interference same angle) same (table\$1 or stor\$3)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29

## EAST Search History

L53	12	(antenna\$1 near5 array) and (beamform\$3) and (interference same angle) same (table\$1 or map\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/13 06:29
L54	2	"6307507"	USPAT	OR	OFF	2006/09/13 06:29
L55	2	"200189030"	USPAT; DERWENT	OR	OFF	2006/09/13 06:29
L56	11	"6400318"	USPAT; DERWENT	OR	OFF	2006/09/13 06:29